GENLED Brands
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Tel:+1 212 629 6830
Fax:

Report No.: **Test Time: 2022/8/29 12:16**

Luminaire Property

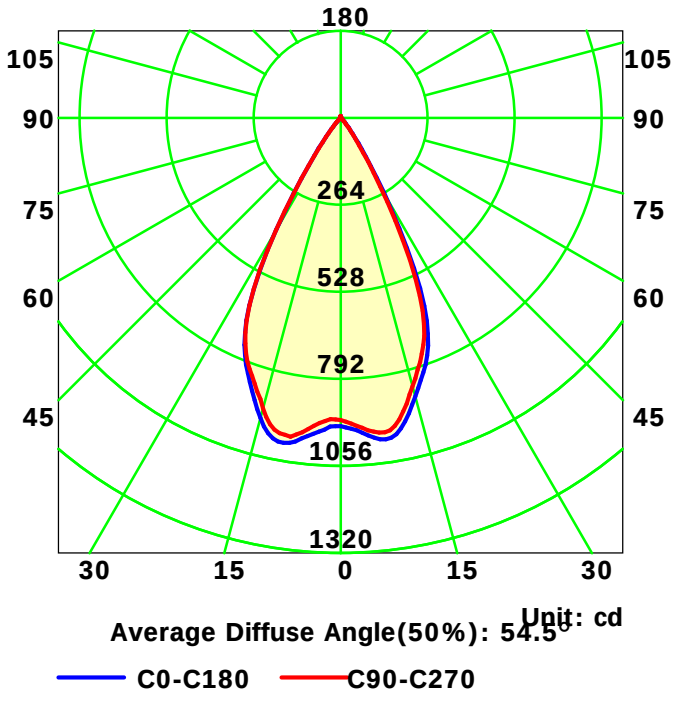
Luminaire Manufacturer:
Luminaire Category: PNP24060WH
Luminaire Description: PNP24060WH
Luminous Length (mm): 545
Luminous Width (mm): 22
Luminous Height (mm): 23
Voltage: 24.0 V
Current: 0.389 A
Power: 9.33 W
Power Factor: 1.000

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 712.1 lm
Measurement Flux: 712.1 lm
Efficiency: 100%
Downward Ratio: 98%
Upward Ratio: 2%
Horizontal Diffuse Angle(10%,50%): H71.4,H54.6
Vertical Diffuse Angle(10%,50%): V71,V54.5
Luminaire Efficacy Rating (LER): 76
Central Intensity: 935.61 cd
Max. Intensity: 1014.91 cd
Pos of Max. Intensity: H240 V10

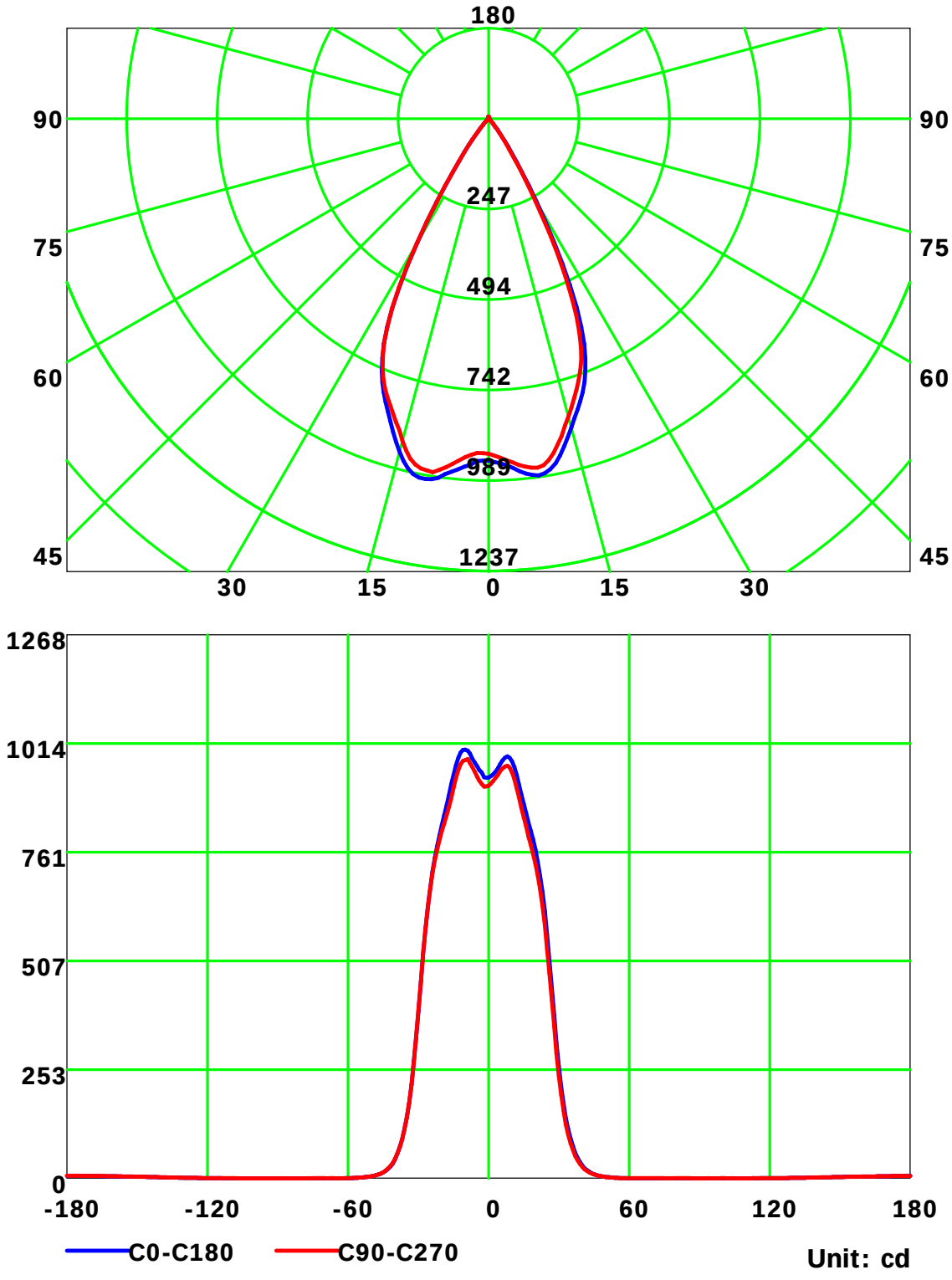
Picture Of Luminaire

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1800B
Test Type: TYPE C
Distance: 9.028 m
Temperature: 25
Humidity: 60%
Operator: Jacky
Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
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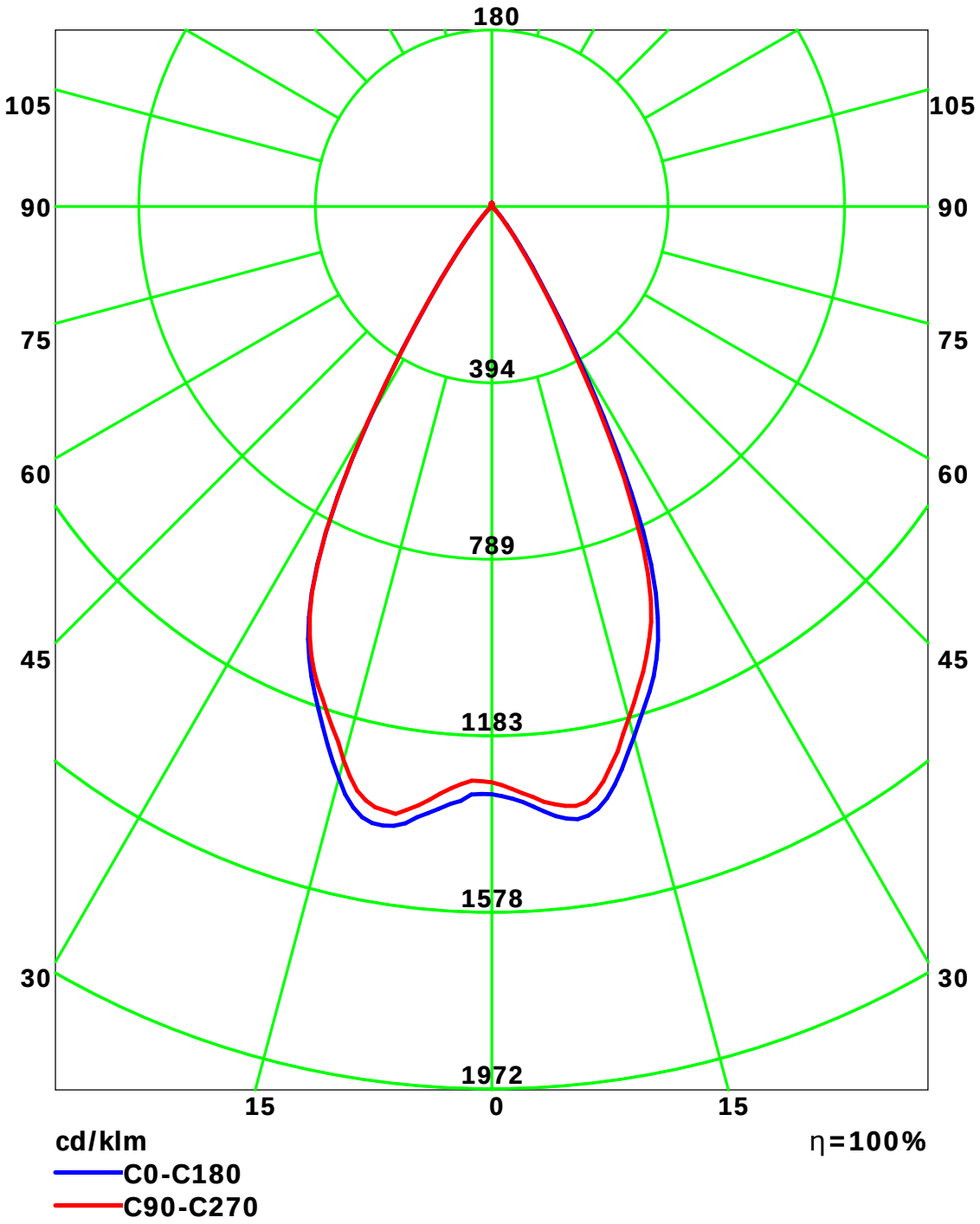
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
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Temperature: 25
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
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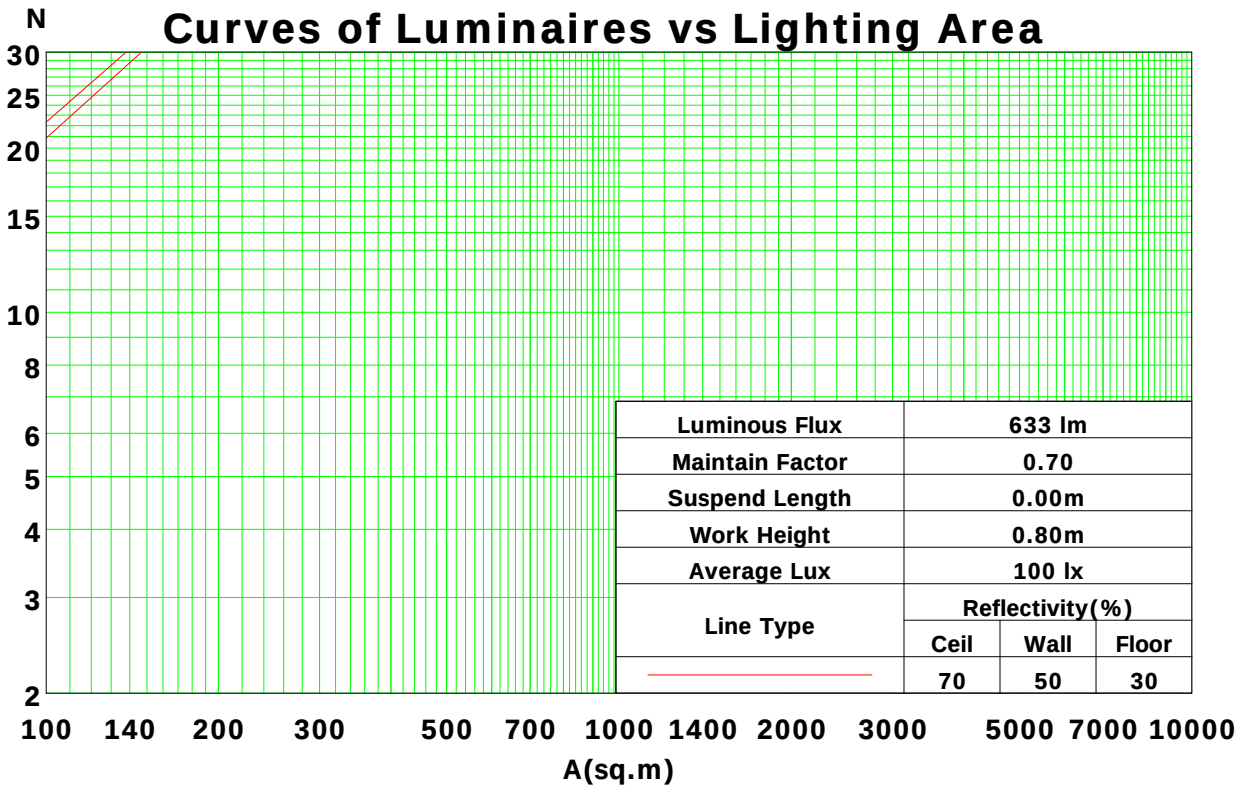
Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98
1	114	111	109	107	111	109	107	105	104	103	101	100	99	98	97	96	95	93
2	109	104	100	97	106	102	99	96	99	96	94	96	93	92	93	91	89	88
3	104	98	93	90	102	96	92	89	94	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78
5	95	87	82	78	93	86	81	78	84	80	77	83	79	76	81	78	75	74
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	77	74	71	70
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	69	65	73	68	65	72	67	64	70	67	64	63
9	80	71	65	62	78	70	65	62	69	65	61	68	64	61	67	64	61	60
10	76	67	62	59	75	67	62	58	66	61	58	65	61	58	64	61	58	57

Spacing Criteria (0-180): 0.93
Spacing Criteria (90-270): 0.93
Spacing Criteria (Diagonal): 0.80

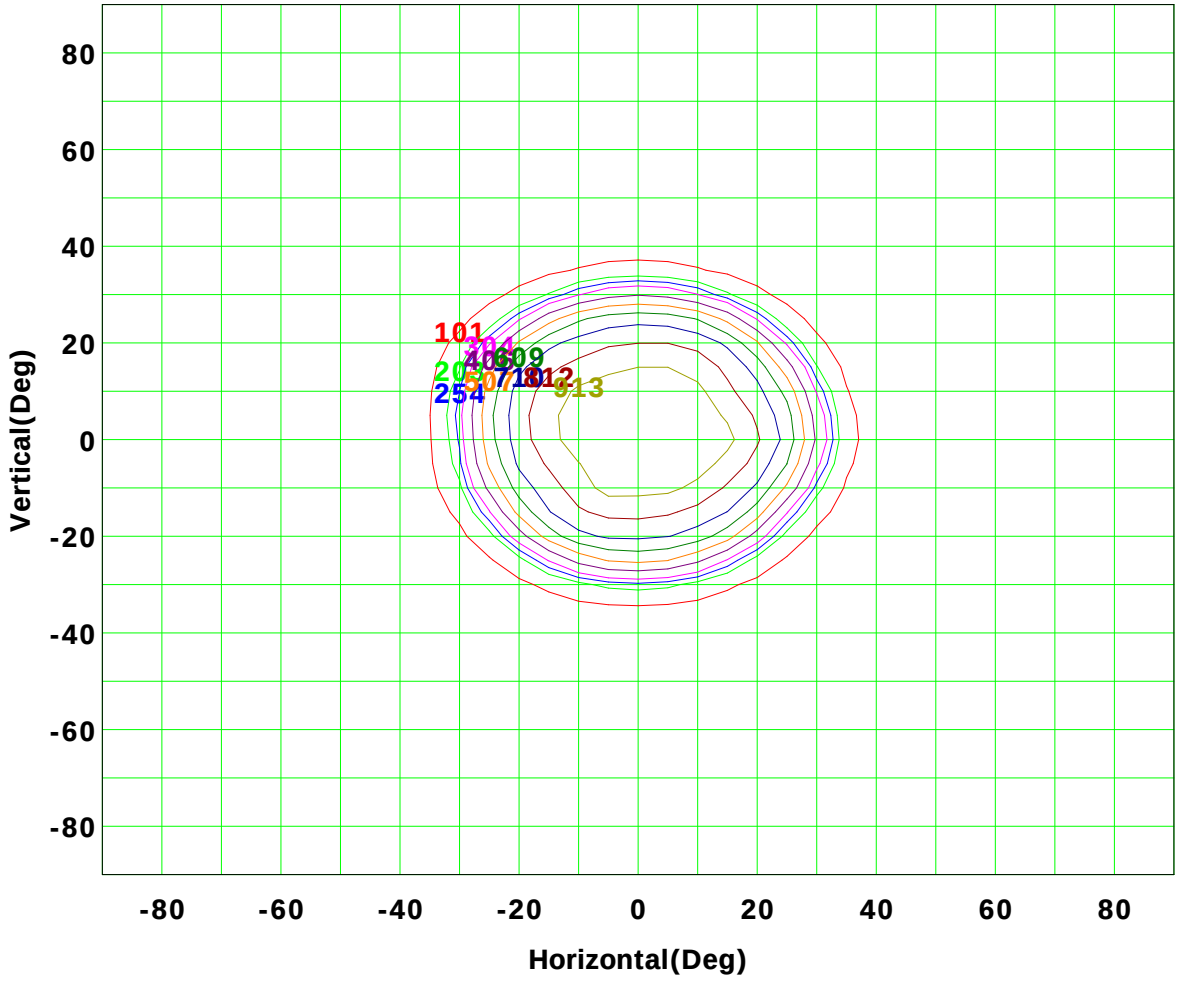
Curves of Luminaires vs Lighting Area



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Isocandela (rectangle)



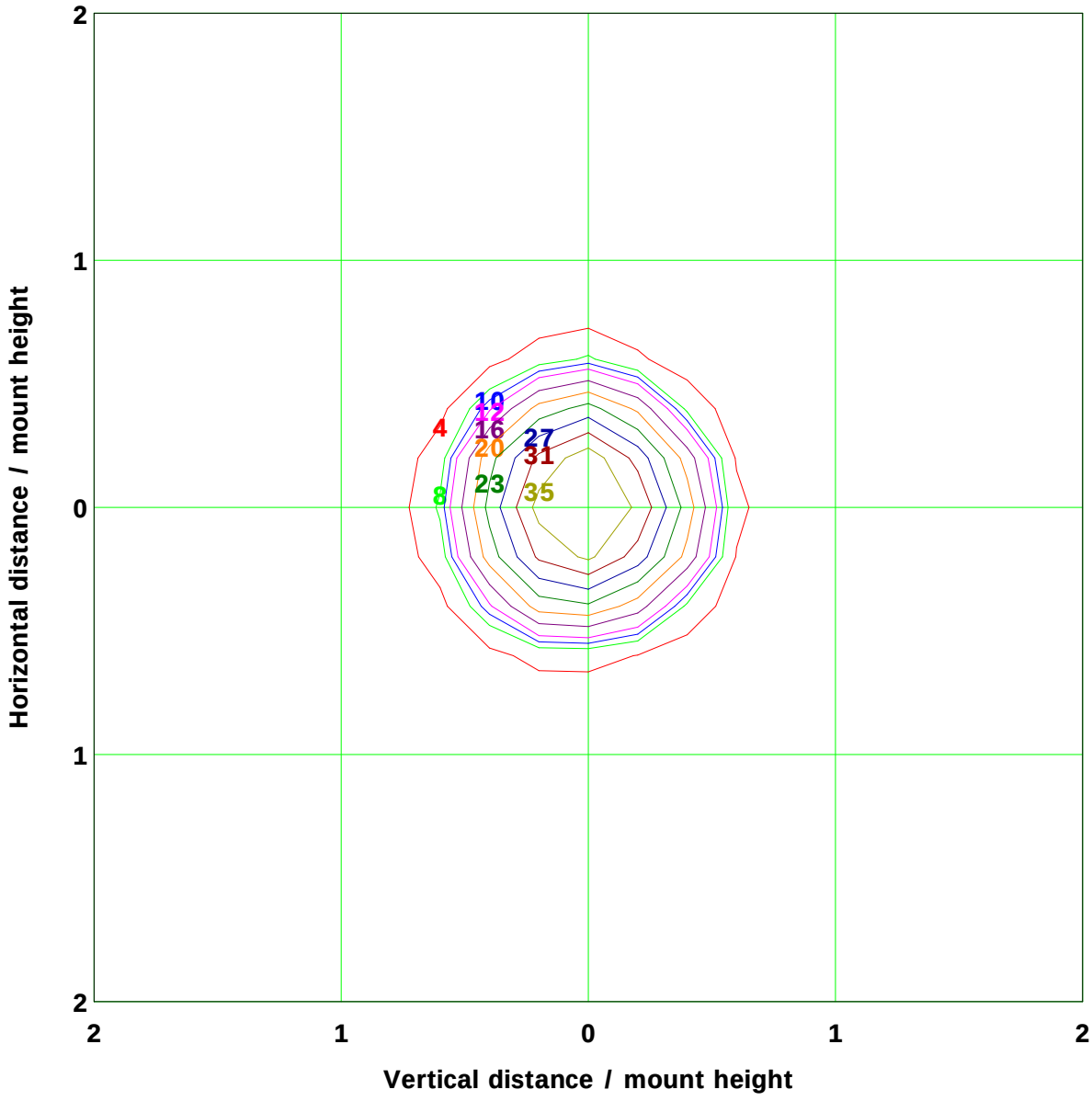
Imax (100%): 1015 cd

(10%):	101 cd	(20%):	203 cd
(25%):	254 cd	(30%):	304 cd
(40%):	406 cd	(50%):	507 cd
(60%):	609 cd	(70%):	710 cd
(80%):	812 cd	(90%):	913 cd

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 39.0 lx

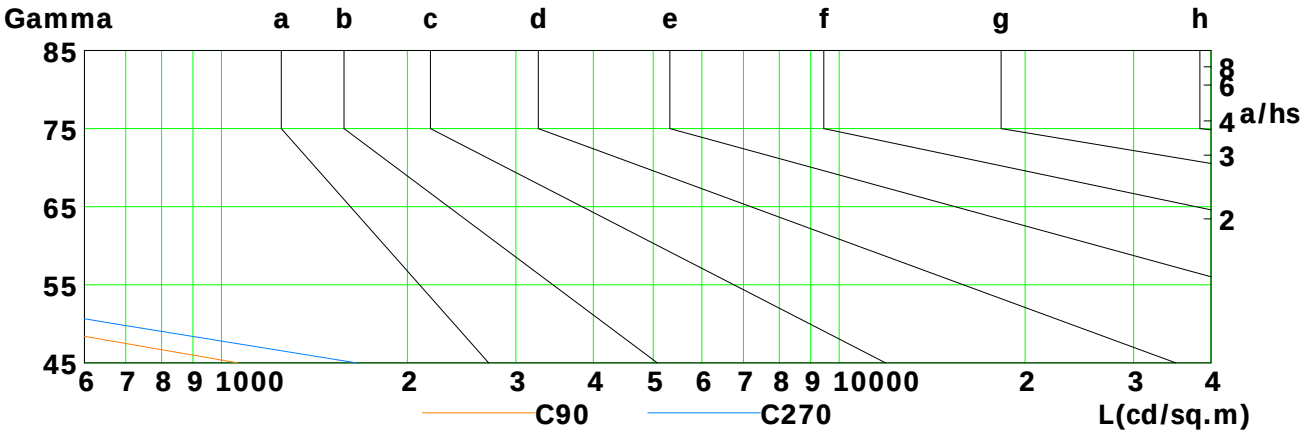
(10%): 3.9 lx	(20%): 7.8 lx
(25%): 9.8 lx	(30%): 11.7 lx
(40%): 15.6 lx	(50%): 19.5 lx
(60%): 23.4 lx	(70%): 27.3 lx
(80%): 31.2 lx	(90%): 35.1 lx

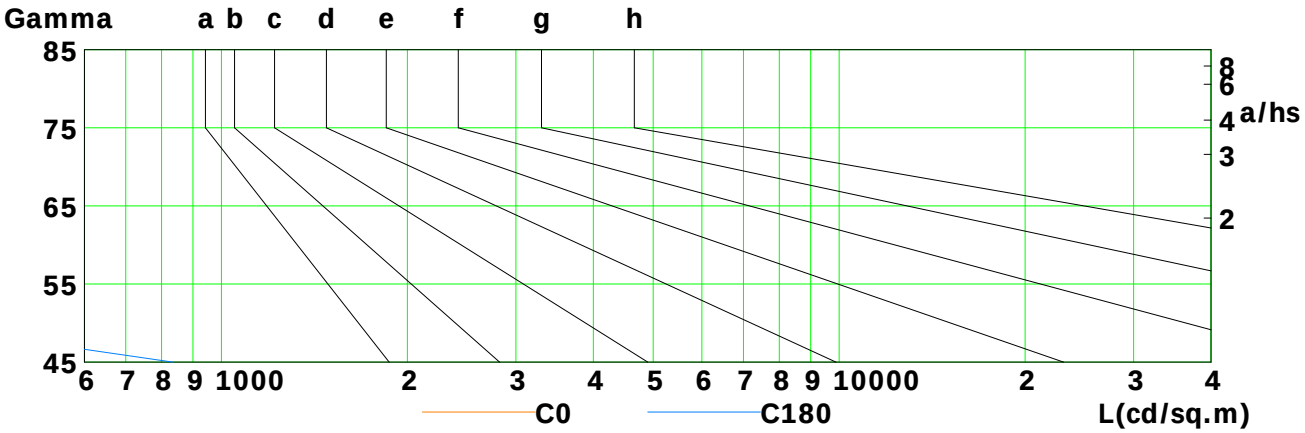
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



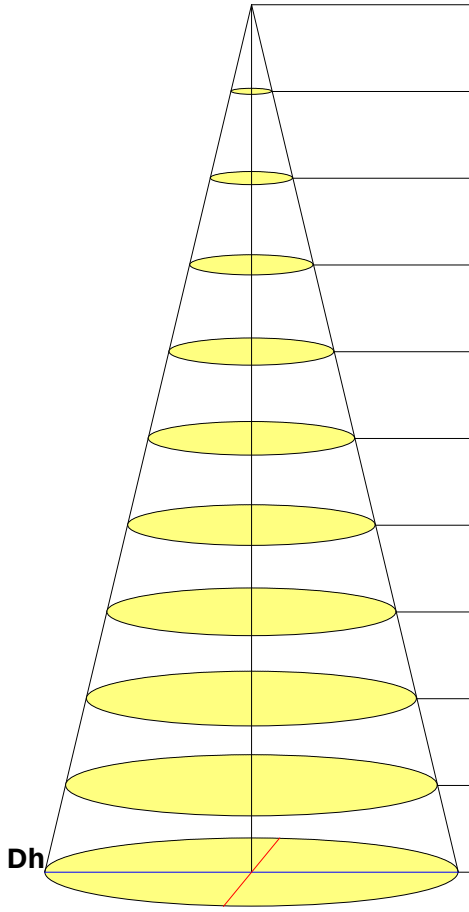


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	582	216	73	35	36	37	35	33	39
C90	1063	460	189	109	127	160	187	248	433
C180	835	311	121	45	30	37	35	37	33
C270	1656	672	289	132	110	153	187	217	394

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Illuminance at a Distance



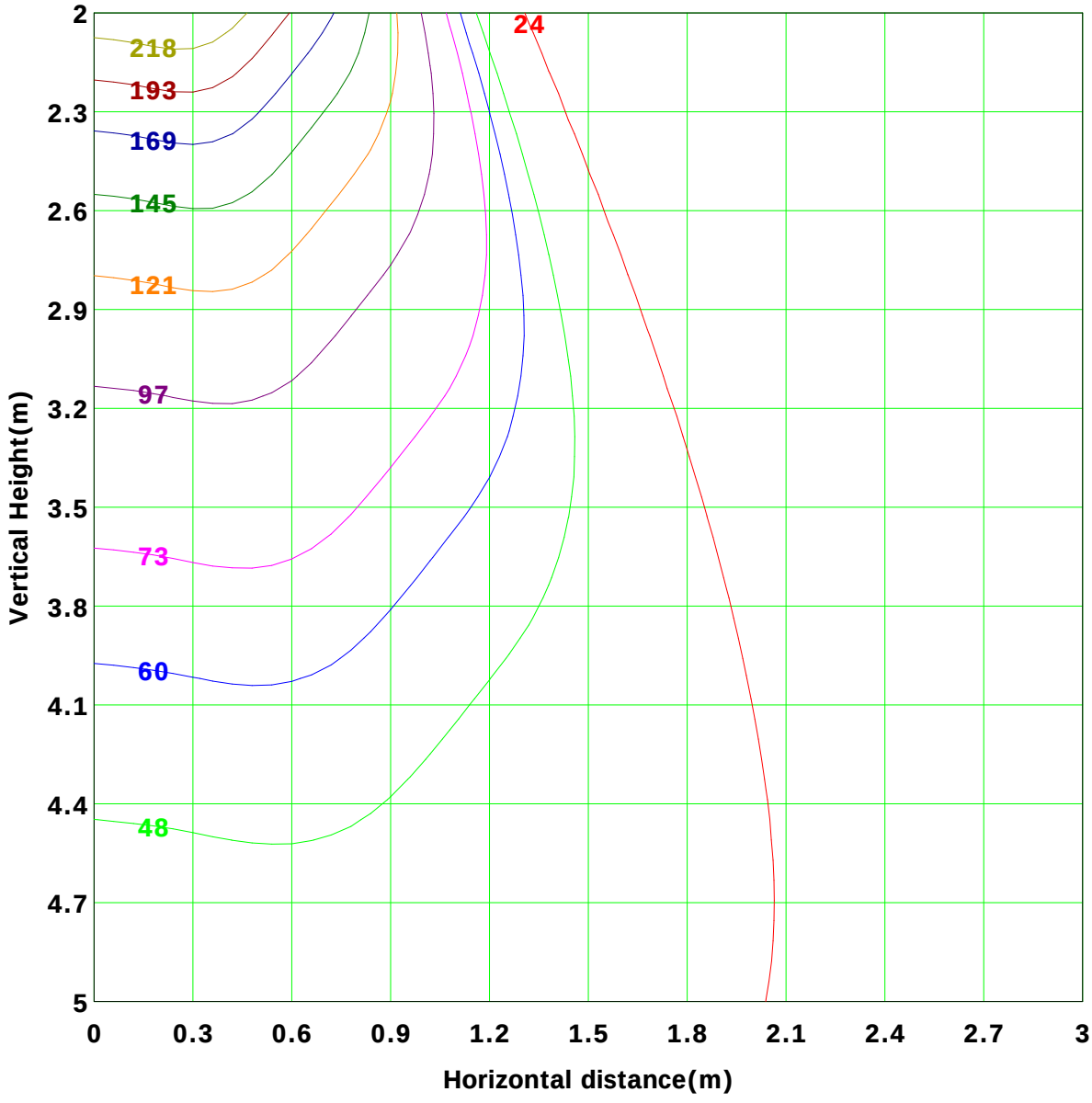
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	935.61	1.03/1.03	0.8	383.54
2.0	233.90	2.06/2.06	3.3	95.89
3.0	103.96	3.10/3.09	7.5	42.62
4.0	58.48	4.13/4.12	13.4	23.97
5.0	37.42	5.16/5.15	20.9	15.34
6.0	25.99	6.19/6.18	30.1	10.65
7.0	19.09	7.22/7.21	41.0	7.83
8.0	14.62	8.26/8.24	53.5	5.99
9.0	11.55	9.29/9.27	67.7	4.74
10.0	9.36	10.32/10.30	83.6	3.84

Beam Angle(B): H54.6 V54.5 Field Angle(F): H71.4 V71.0

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 241.8 lx

(10%): 24.2 lx	(20%): 48.4 lx
(25%): 60.4 lx	(30%): 72.5 lx
(40%): 96.7 lx	(50%): 120.9 lx
(60%): 145.1 lx	(70%): 169.2 lx
(80%): 193.4 lx	(90%): 217.6 lx

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
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Distance: 9.028 m
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Inspector:

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Area Flux Table

Unit: lm

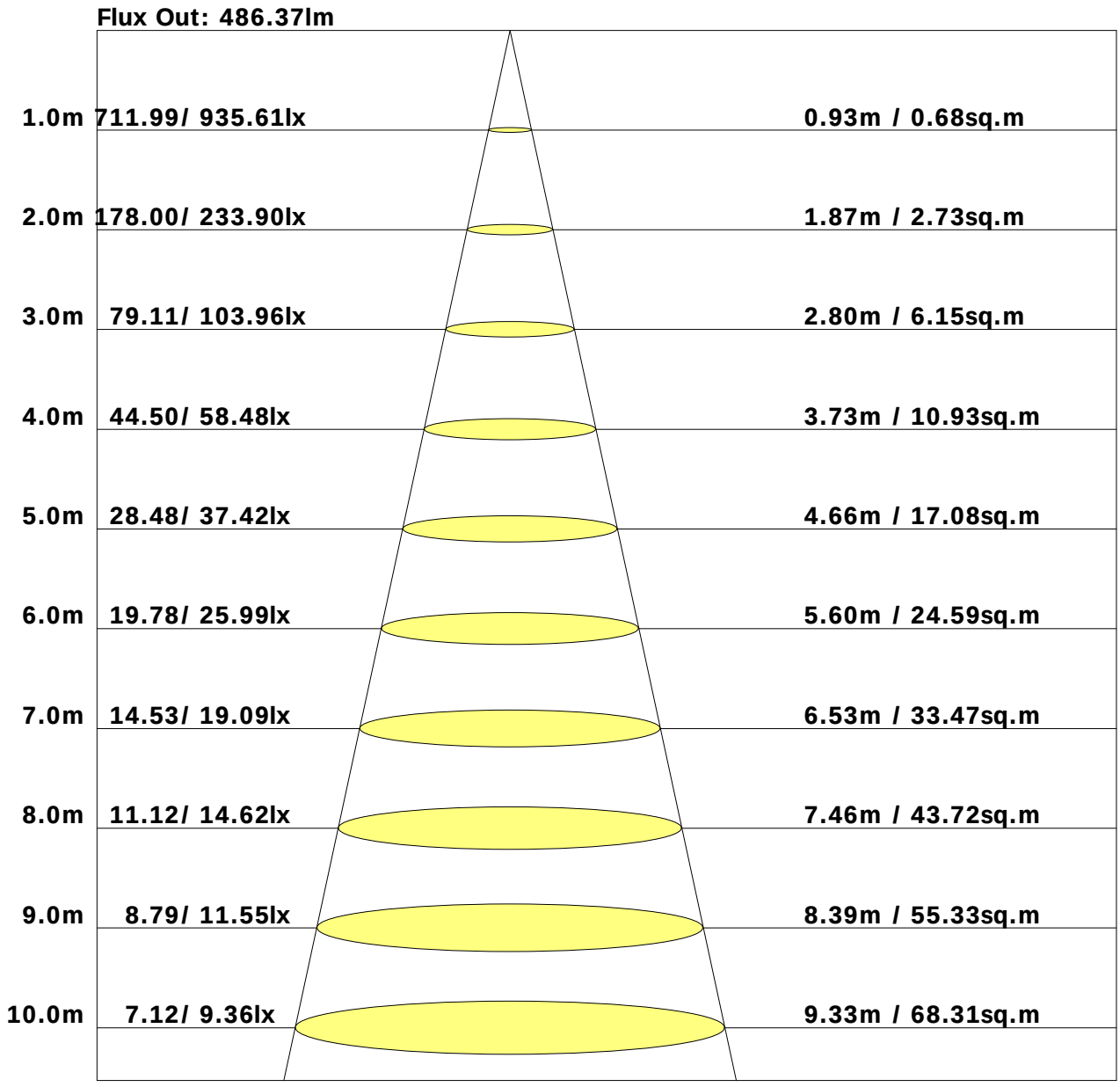
Vertical plane / Horizontal plane

	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	Flux(T)	Flux(E)
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
-50	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.5	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	2.3	0.0
-40	0.0	0.0	0.0	0.0	0.1	0.2	1.0	2.8	4.7	4.7	2.7	1.0	0.3	0.1	0.0	0.0	0.0	0.0	17.6	11.3
-30	0.0	0.0	0.0	0.0	0.1	0.9	4.7	13.5	19.1	18.8	13.2	4.8	0.9	0.1	0.0	0.0	0.0	0.0	76.2	73.0
-20	0.0	0.0	0.0	0.0	0.3	2.3	12.2	22.8	27.4	26.8	22.8	12.2	2.1	0.2	0.0	0.0	0.0	0.0	129.1	126.7
-10	0.0	0.0	0.0	0.0	0.4	3.9	17.1	26.2	29.3	29.0	25.8	15.4	2.9	0.3	0.0	0.0	0.0	0.0	150.4	148.3
0	0.0	0.0	0.0	0.0	0.3	3.6	16.1	25.7	29.0	28.8	24.2	13.9	2.5	0.3	0.0	0.0	0.0	0.0	144.5	142.3
10	0.0	0.0	0.0	0.0	0.2	1.7	9.2	20.2	25.0	25.2	20.0	8.6	1.4	0.2	0.0	0.0	0.0	0.0	111.8	109.2
20	0.0	0.0	0.0	0.0	0.1	0.5	2.8	9.1	14.7	14.9	9.4	2.9	0.5	0.1	0.0	0.0	0.0	0.0	55.2	51.6
30	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.6	2.7	2.8	1.7	0.6	0.2	0.0	0.0	0.0	0.0	0.0	10.4	4.2
40	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Flux(T)	0.0	0.1	0.1	0.3	1.6	13.5	64.2	122.5	153.1	152.2	120.5	59.8	11.1	1.4	0.3	0.1	0.1	0.0	701	
Flux(E)	0.0	0.0	0.0	0.0	0.0	8.3	60.5	119.4	150.1	149.2	117.4	56.1	5.5	0.0	0.0	0.0	0.0	0.0		667

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-10.7	-9.8	-10.3	-9.5	-9.1	-13.3	-12.4	-12.9	-12.1	-11.7
3H	-8.9	-8.1	-8.5	-7.7	-7.3	-11.2	-10.5	-10.8	-10.1	-9.7
4H	-7.7	-7.0	-7.3	-6.6	-6.2	-10.3	-9.5	-9.8	-9.1	-8.7
6H	-6.4	-5.7	-5.9	-5.3	-4.9	-9.2	-8.5	-8.7	-8.1	-7.7
8H	-5.6	-5.0	-5.1	-4.6	-4.1	-8.5	-7.9	-8.0	-7.5	-7.0
12H	-4.7	-4.1	-4.2	-3.6	-3.2	-7.9	-7.3	-7.4	-6.9	-6.4
X=4H Y=2H	-10.5	-9.8	-10.1	-9.4	-9.0	-12.7	-12.0	-12.3	-11.6	-11.2
3H	-8.4	-7.8	-7.9	-7.4	-6.9	-10.3	-9.7	-9.9	-9.3	-8.9
4H	-7.1	-6.5	-6.6	-6.1	-5.6	-9.2	-8.6	-8.7	-8.2	-7.7
6H	-5.5	-5.1	-5.0	-4.6	-4.1	-7.9	-7.4	-7.4	-7.0	-6.4
8H	-4.7	-4.3	-4.2	-3.8	-3.3	-7.1	-6.7	-6.6	-6.2	-5.7
12H	-3.6	-3.3	-3.1	-2.7	-2.2	-6.4	-6.0	-5.9	-5.5	-5.0
X=8H Y=4H	-6.8	-6.4	-6.3	-5.9	-5.4	-8.6	-8.2	-8.1	-7.7	-7.2
6H	-5.1	-4.8	-4.6	-4.3	-3.8	-7.1	-6.8	-6.5	-6.2	-5.7
8H	-4.1	-3.8	-3.6	-3.3	-2.8	-6.2	-5.9	-5.6	-5.4	-4.8
12H	-2.9	-2.6	-2.3	-2.1	-1.5	-5.3	-5.0	-4.7	-4.5	-3.9
X=12H Y=4H	-6.8	-6.4	-6.3	-5.9	-5.4	-8.5	-8.1	-8.0	-7.6	-7.1
6H	-5.1	-4.8	-4.5	-4.3	-3.7	-6.9	-6.6	-6.3	-6.1	-5.5
8H	-4.0	-3.7	-3.4	-3.2	-2.6	-5.9	-5.6	-5.3	-5.1	-4.5

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)							SHR NOM = 0.75				
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.87	0.94	0.97	1.00	1.04	1.06	1.08	1.10	1.11
	0.30		0.83	0.90	0.94	0.97	1.01	1.03	1.05	1.08	1.09
	0.20		0.80	0.86	0.91	0.94	0.98	1.01	1.03	1.06	1.08
0.50	0.50	0.20	0.86	0.92	0.95	0.98	1.01	1.03	1.04	1.06	1.07
	0.30		0.82	0.88	0.92	0.95	0.98	1.01	1.02	1.04	1.05
	0.20		0.80	0.86	0.89	0.92	0.96	0.99	1.00	1.03	1.04
0.30	0.50	0.20	0.85	0.90	0.93	0.95	0.98	1.00	1.01	1.02	1.03
	0.30		0.82	0.87	0.90	0.93	0.96	0.98	0.99	1.01	1.02
	0.20		0.79	0.85	0.88	0.91	0.94	0.96	0.98	1.00	1.01
0.00	0.00	0.00	0.77	0.83	0.86	0.88	0.91	0.93	0.94	0.95	0.96

Rating:9W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 0.75								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.54	0.43	0.36	0.31	0.24	0.20	0.17	0.13	0.11
	0.30		0.45	0.37	0.31	0.28	0.22	0.19	0.16	0.13	0.10
	0.20		0.39	0.32	0.28	0.25	0.20	0.17	0.15	0.12	0.10
0.50	0.50	0.20	0.51	0.40	0.34	0.29	0.22	0.23	0.16	0.12	0.10
	0.30		0.43	0.35	0.30	0.26	0.21	0.17	0.15	0.11	0.09
	0.20		0.37	0.31	0.27	0.23	0.19	0.16	0.14	0.11	0.09
0.30	0.50	0.20	0.48	0.38	0.31	0.27	0.21	0.17	0.14	0.11	0.09
	0.30		0.41	0.33	0.28	0.24	0.19	0.16	0.13	0.10	0.08
	0.20		0.36	0.30	0.25	0.22	0.18	0.15	0.13	0.10	0.08
0.00	0.00	0.00	0.22	0.17	0.14	0.11	0.09	0.07	0.06	0.04	0.04

Rating:9W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 0.75								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22
	0.30		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.19	0.20
0.50	0.50	0.20	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.08	0.10	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.30	0.50	0.20	0.13	0.14	0.16	0.16	0.18	0.19	0.19	0.20	0.20
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19
	0.20		0.08	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Rating:9W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	924.7	0.9	0.9	0.12	0.12
1.0-2.0	926.7	2.7	3.5	0.37	0.50
2.0-3.0	931.3	4.5	8.0	0.63	1.12
3.0-4.0	937.9	6.3	14.3	0.88	2.01
4.0-5.0	945.5	8.1	22.4	1.14	3.15
5.0-6.0	953.8	10.0	32.4	1.41	4.56
6.0-7.0	961.5	11.9	44.4	1.68	6.23
7.0-8.0	968.1	13.9	58.2	1.95	8.18
8.0-9.0	972.1	15.8	74.0	2.21	10.39
9.0-10.0	971.4	17.6	91.6	2.47	12.86
10.0-11.0	965.9	19.3	110.9	2.71	15.57
11.0-12.0	955.8	20.9	131.8	2.93	18.51
12.0-13.0	940.3	22.3	154.1	3.13	21.64
13.0-14.0	920.7	23.6	177.7	3.31	24.95
14.0-15.0	899.0	24.7	202.3	3.47	28.42
15.0-16.0	876.2	25.7	228.0	3.61	32.02
16.0-17.0	854.0	26.6	254.6	3.74	35.76
17.0-18.0	832.4	27.5	282.1	3.85	39.61
18.0-19.0	810.8	28.2	310.3	3.96	43.57
19.0-20.0	789.2	28.9	339.2	4.06	47.63
20.0-21.0	765.9	29.4	368.6	4.13	51.76
21.0-22.0	739.7	29.7	398.3	4.17	55.94
22.0-23.0	709.6	29.8	428.1	4.18	60.12
23.0-24.0	674.5	29.5	457.6	4.14	64.26
24.0-25.0	633.1	28.8	486.4	4.04	68.30
25.0-26.0	584.7	27.6	514.0	3.88	72.18
26.0-27.0	530.5	26.0	539.9	3.65	75.82
27.0-28.0	471.4	23.9	563.8	3.35	79.18
28.0-29.0	409.9	21.4	585.3	3.01	82.19
29.0-30.0	349.0	18.8	604.1	2.65	84.83
30.0-31.0	291.4	16.2	620.3	2.28	87.11
31.0-32.0	239.9	13.7	634.1	1.93	89.04
32.0-33.0	195.5	11.5	645.6	1.62	90.66
33.0-34.0	158.2	9.6	655.2	1.34	92.00
34.0-35.0	127.5	7.9	663.1	1.11	93.12
35.0-36.0	102.8	6.5	669.6	0.92	94.04

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	82.7	5.4	675.0	0.76	94.79
37.0-38.0	66.3	4.4	679.4	0.62	95.41
38.0-39.0	53.1	3.6	683.1	0.51	95.92
39.0-40.0	42.3	3.0	686.0	0.41	96.34
40.0-41.0	33.6	2.4	688.4	0.34	96.67
41.0-42.0	26.8	1.9	690.3	0.27	96.95
42.0-43.0	21.4	1.6	691.9	0.22	97.17
43.0-44.0	17.1	1.3	693.2	0.18	97.35
44.0-45.0	13.8	1.1	694.3	0.15	97.50
45.0-46.0	11.1	0.9	695.2	0.12	97.62
46.0-47.0	9.1	0.7	695.9	0.10	97.72
47.0-48.0	7.5	0.6	696.5	0.08	97.81
48.0-49.0	6.2	0.5	697.0	0.07	97.88
49.0-50.0	5.1	0.4	697.4	0.06	97.94
50.0-51.0	4.2	0.4	697.8	0.05	97.99
51.0-52.0	3.5	0.3	698.1	0.04	98.03
52.0-53.0	2.9	0.3	698.3	0.04	98.07
53.0-54.0	2.4	0.2	698.5	0.03	98.10
54.0-55.0	2.0	0.2	698.7	0.02	98.12
55.0-56.0	1.6	0.1	698.9	0.02	98.14
56.0-57.0	1.3	0.1	699.0	0.02	98.16
57.0-58.0	1.1	0.1	699.1	0.01	98.17
58.0-59.0	0.9	0.1	699.2	0.01	98.19
59.0-60.0	0.8	0.1	699.2	0.01	98.20
60.0-61.0	0.7	0.1	699.3	0.01	98.21
61.0-62.0	0.7	0.1	699.4	0.01	98.21
62.0-63.0	0.6	0.1	699.4	0.01	98.22
63.0-64.0	0.7	0.1	699.5	0.01	98.23
64.0-65.0	0.7	0.1	699.6	0.01	98.24
65.0-66.0	0.7	0.1	699.6	0.01	98.25
66.0-67.0	0.7	0.1	699.7	0.01	98.26
67.0-68.0	0.6	0.1	699.8	0.01	98.27
68.0-69.0	0.6	0.1	699.8	0.01	98.28
69.0-70.0	0.6	0.1	699.9	0.01	98.29
70.0-71.0	0.6	0.1	700.0	0.01	98.30
71.0-72.0	0.6	0.1	700.0	0.01	98.31

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	0.6	0.1	700.1	0.01	98.32
73.0-74.0	0.6	0.1	700.2	0.01	98.32
74.0-75.0	0.6	0.1	700.2	0.01	98.33
75.0-76.0	0.6	0.1	700.3	0.01	98.34
76.0-77.0	0.6	0.1	700.3	0.01	98.35
77.0-78.0	0.6	0.1	700.4	0.01	98.36
78.0-79.0	0.6	0.1	700.5	0.01	98.37
79.0-80.0	0.6	0.1	700.5	0.01	98.38
80.0-81.0	0.6	0.1	700.6	0.01	98.39
81.0-82.0	0.6	0.1	700.7	0.01	98.40
82.0-83.0	0.6	0.1	700.7	0.01	98.41
83.0-84.0	0.6	0.1	700.8	0.01	98.41
84.0-85.0	0.6	0.1	700.9	0.01	98.42
85.0-86.0	0.6	0.1	700.9	0.01	98.43
86.0-87.0	0.6	0.1	701.0	0.01	98.44
87.0-88.0	0.6	0.1	701.1	0.01	98.45
88.0-89.0	0.6	0.1	701.1	0.01	98.46
89.0-90.0	0.6	0.1	701.2	0.01	98.47
90.0-91.0	0.6	0.1	701.2	0.01	98.48
91.0-92.0	0.6	0.1	701.3	0.01	98.49
92.0-93.0	0.6	0.1	701.4	0.01	98.49
93.0-94.0	0.6	0.1	701.4	0.01	98.50
94.0-95.0	0.6	0.1	701.5	0.01	98.51
95.0-96.0	0.6	0.1	701.6	0.01	98.52
96.0-97.0	0.6	0.1	701.6	0.01	98.53
97.0-98.0	0.6	0.1	701.7	0.01	98.54
98.0-99.0	0.6	0.1	701.7	0.01	98.55
99.0-100.0	0.6	0.1	701.8	0.01	98.55
100.0-101.0	0.6	0.1	701.9	0.01	98.56
101.0-102.0	0.6	0.1	701.9	0.01	98.57
102.0-103.0	0.6	0.1	702.0	0.01	98.58
103.0-104.0	0.6	0.1	702.0	0.01	98.59
104.0-105.0	0.6	0.1	702.1	0.01	98.60
105.0-106.0	0.6	0.1	702.2	0.01	98.61
106.0-107.0	0.6	0.1	702.2	0.01	98.62
107.0-108.0	0.6	0.1	702.3	0.01	98.62

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.6	0.1	702.4	0.01	98.63
109.0-110.0	0.6	0.1	702.4	0.01	98.64
110.0-111.0	0.6	0.1	702.5	0.01	98.65
111.0-112.0	0.6	0.1	702.6	0.01	98.66
112.0-113.0	0.7	0.1	702.6	0.01	98.67
113.0-114.0	0.7	0.1	702.7	0.01	98.68
114.0-115.0	0.7	0.1	702.8	0.01	98.69
115.0-116.0	0.7	0.1	702.8	0.01	98.70
116.0-117.0	0.8	0.1	702.9	0.01	98.71
117.0-118.0	0.8	0.1	703.0	0.01	98.72
118.0-119.0	0.8	0.1	703.1	0.01	98.73
119.0-120.0	0.9	0.1	703.2	0.01	98.75
120.0-121.0	0.9	0.1	703.2	0.01	98.76
121.0-122.0	1.0	0.1	703.3	0.01	98.77
122.0-123.0	1.1	0.1	703.4	0.01	98.78
123.0-124.0	1.1	0.1	703.5	0.01	98.80
124.0-125.0	1.2	0.1	703.6	0.01	98.81
125.0-126.0	1.2	0.1	703.7	0.02	98.83
126.0-127.0	1.3	0.1	703.9	0.02	98.85
127.0-128.0	1.4	0.1	704.0	0.02	98.86
128.0-129.0	1.5	0.1	704.1	0.02	98.88
129.0-130.0	1.6	0.1	704.2	0.02	98.90
130.0-131.0	1.7	0.1	704.4	0.02	98.92
131.0-132.0	1.8	0.1	704.5	0.02	98.94
132.0-133.0	1.9	0.2	704.7	0.02	98.96
133.0-134.0	2.0	0.2	704.8	0.02	98.98
134.0-135.0	2.1	0.2	705.0	0.02	99.01
135.0-136.0	2.2	0.2	705.2	0.02	99.03
136.0-137.0	2.3	0.2	705.3	0.02	99.05
137.0-138.0	2.4	0.2	705.5	0.03	99.08
138.0-139.0	2.5	0.2	705.7	0.03	99.10
139.0-140.0	2.6	0.2	705.9	0.03	99.13
140.0-141.0	2.8	0.2	706.1	0.03	99.16
141.0-142.0	2.9	0.2	706.3	0.03	99.19
142.0-143.0	3.0	0.2	706.5	0.03	99.21
143.0-144.0	3.1	0.2	706.7	0.03	99.24

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	3.2	0.2	706.9	0.03	99.27
145.0-146.0	3.4	0.2	707.1	0.03	99.30
146.0-147.0	3.5	0.2	707.3	0.03	99.33
147.0-148.0	3.6	0.2	707.5	0.03	99.36
148.0-149.0	3.7	0.2	707.7	0.03	99.39
149.0-150.0	3.9	0.2	708.0	0.03	99.42
150.0-151.0	4.0	0.2	708.2	0.03	99.45
151.0-152.0	4.1	0.2	708.4	0.03	99.48
152.0-153.0	4.2	0.2	708.6	0.03	99.51
153.0-154.0	4.3	0.2	708.8	0.03	99.54
154.0-155.0	4.4	0.2	709.0	0.03	99.57
155.0-156.0	4.5	0.2	709.2	0.03	99.60
156.0-157.0	4.6	0.2	709.4	0.03	99.63
157.0-158.0	4.7	0.2	709.6	0.03	99.65
158.0-159.0	4.8	0.2	709.8	0.03	99.68
159.0-160.0	4.9	0.2	710.0	0.03	99.71
160.0-161.0	5.0	0.2	710.2	0.03	99.73
161.0-162.0	5.1	0.2	710.4	0.02	99.76
162.0-163.0	5.1	0.2	710.5	0.02	99.78
163.0-164.0	5.2	0.2	710.7	0.02	99.80
164.0-165.0	5.3	0.2	710.8	0.02	99.83
165.0-166.0	5.4	0.1	711.0	0.02	99.85
166.0-167.0	5.5	0.1	711.1	0.02	99.87
167.0-168.0	5.6	0.1	711.3	0.02	99.89
168.0-169.0	5.7	0.1	711.4	0.02	99.90
169.0-170.0	5.8	0.1	711.5	0.02	99.92
170.0-171.0	5.9	0.1	711.6	0.01	99.93
171.0-172.0	5.9	0.1	711.7	0.01	99.95
172.0-173.0	6.0	0.1	711.8	0.01	99.96
173.0-174.0	6.1	0.1	711.9	0.01	99.97
174.0-175.0	6.2	0.1	711.9	0.01	99.98
175.0-176.0	6.2	0.1	712.0	0.01	99.99
176.0-177.0	6.2	0.0	712.0	0.01	99.99
177.0-178.0	6.3	0.0	712.1	0.00	100.00
178.0-179.0	6.3	0.0	712.1	0.00	100.00
179.0-180.0	6.3	0.0	712.1	0.00	100.00

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector: